

Rmi Longuespe

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

74
papers

1,456
citations

21
h-index

35
g-index

81
ext. papers

1,862
ext. citations

4.2
avg, IF

4.78
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 74 | Important Requirements for the Selection of Internal Standards during the Development of Desorption/Ionization Assays for Drug Quantification in Biological Matrices-A Practical Example.. <i>Molecules</i> , 2022 , 27, | 4.8 | 1 |
| 73 | An optimized MALDI MSI protocol for spatial detection of tryptic peptides in fresh frozen prostate tissue.. <i>Proteomics</i> , 2022 , e2100223 | 4.8 | 0 |
| 72 | Human peripheral blood mononuclear cells: A review of recent proteomic applications.. <i>Proteomics</i> , 2022 , e2200026 | 4.8 | 2 |
| 71 | Periostin in lymph node pre-metastatic niches governs lymphatic endothelial cell functions and metastatic colonization.. <i>Cellular and Molecular Life Sciences</i> , 2022 , 79, 295 | 10.3 | 0 |
| 70 | Analytical Performance Evaluation of New DESI Enhancements for Targeted Drug Quantification in Tissue Sections. <i>Pharmaceuticals</i> , 2022 , 15, 694 | 5.2 | 1 |
| 69 | LGG-25. The first-in-class ERK inhibitor ulixertinib (BVD-523) shows activity in MAPK-driven pediatric low-grade glioma models as single agent and in combination with MEK inhibitors or senolytics. <i>Neuro-Oncology</i> , 2022 , 24, i93-i93 | 1 | |
| 68 | Approaching Sites of Action of Temozolomide for Pharmacological and Clinical Studies in Glioblastoma.. <i>Biomedicines</i> , 2021 , 10, | 4.8 | 2 |
| 67 | Microproteomic sample preparation. <i>Proteomics</i> , 2021 , 21, e2000318 | 4.8 | 15 |
| 66 | Conventional and semi-automatic histopathological analysis of tumor cell content for multigene sequencing of lung adenocarcinoma. <i>Translational Lung Cancer Research</i> , 2021 , 10, 1666-1678 | 4.4 | 1 |
| 65 | Desorption/Ionization-MS Methods for Drug Quantification in Biological Matrices and Their Validation Following Regulatory Guidance. <i>Analytical Chemistry</i> , 2021 , 93, 7152-7163 | 7.8 | 6 |
| 64 | Approaching sites of action of drugs in clinical pharmacology: New analytical options and their challenges. <i>British Journal of Clinical Pharmacology</i> , 2021 , 87, 858-874 | 3.8 | 5 |
| 63 | Rapid MALDI-MS Assays for Drug Quantification in Biological Matrices: Lessons Learned, New Developments, and Future Perspectives. <i>Molecules</i> , 2021 , 26, | 4.8 | 5 |
| 62 | Tumor resistance to ferroptosis driven by Stearoyl-CoA Desaturase-1 (SCD1) in cancer cells and Fatty Acid Biding Protein-4 (FABP4) in tumor microenvironment promote tumor recurrence. <i>Redox Biology</i> , 2021 , 43, 102006 | 11.3 | 12 |
| 61 | Targeted liquid chromatography-tandem mass spectrometry analysis of proteins: Basic principles, applications, and perspectives. <i>Proteomics</i> , 2021 , e2100153 | 4.8 | 4 |
| 60 | Automation of single-cell proteomic sample preparation. <i>Proteomics</i> , 2021 , e2100198 | 4.8 | 3 |
| 59 | Automated sample preparation with SP3 for low-input clinical proteomics. <i>Molecular Systems Biology</i> , 2020 , 16, e9111 | 12.2 | 56 |
| 58 | Tyrosine Kinase Inhibitors in Cancer: Breakthrough and Challenges of Targeted Therapy. <i>Cancers</i> , 2020 , 12, | 6.6 | 125 |

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| 57 | Advances in Clinical Pharmacology: Rapid Detection of Small Molecules in Solid Samples at Atmospheric Pressure Using Desorption Electrospray Ionization. <i>OMICS A Journal of Integrative Biology</i> , 2020 , 24, 53-54 | 3.8 | 2 |
| 56 | Rapid and Sensitive Drug Quantification in Tissue Sections Using Matrix Assisted Laser Desorption Ionization-Ion Mobility-Mass Spectrometry Profiling. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 742-751 | 3.5 | 11 |
| 55 | Rapid drug detection in whole blood droplets using a desorption electrospray ionization static profiling approach - a proof-of-concept. <i>Rapid Communications in Mass Spectrometry</i> , 2020 , 34, e8614 | 2.2 | 8 |
| 54 | Insulinoma-associated Protein 1 (INSM1) in Thoracic Tumors is Less Sensitive but More Specific Compared With Synaptophysin, Chromogranin A, and CD56. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2020 , 28, 237-242 | 1.9 | 19 |
| 53 | Development and Validation of an LC-MS-Based Quantification Assay for New Therapeutic Antibodies: Application to a Novel Therapy against Herpes Simplex Virus. <i>ACS Omega</i> , 2020 , 5, 24329-24339 | 3.9 | 2 |
| 52 | Rapid and Sensitive Quantification of Osimertinib in Human Plasma Using a Fully Validated MALDI-IM-MS/MS Assay. <i>Cancers</i> , 2020 , 12, | 6.6 | 8 |
| 51 | Microproteomics and Immunohistochemistry Reveal Differences in Aldo-Keto Reductase Family 1 Member C3 in Tissue Specimens of Ulcerative Colitis and Crohn's Disease. <i>Proteomics - Clinical Applications</i> , 2020 , 14, e1900110 | 3.1 | 4 |
| 50 | Multi-Enzymatic Limited Digestion: The Next-Generation Sequencing for Proteomics?. <i>Journal of Proteome Research</i> , 2019 , 18, 2501-2513 | 5.6 | 15 |
| 49 | Combined Immunohistochemistry after Mass Spectrometry Imaging for Superior Spatial Information. <i>Proteomics - Clinical Applications</i> , 2019 , 13, e1800035 | 3.1 | 17 |
| 48 | Microproteomic Profiling of High-Grade Squamous Intraepithelial Lesion of the Cervix: Insight into Biological Mechanisms of Dysplasia and New Potential Diagnostic Markers. <i>Proteomics - Clinical Applications</i> , 2019 , 13, e1800052 | 3.1 | 8 |
| 47 | Digital PCR After MALDI-Mass Spectrometry Imaging to Combine Proteomic Mapping and Identification of Activating Mutations in Pulmonary Adenocarcinoma. <i>Proteomics - Clinical Applications</i> , 2019 , 13, e1800034 | 3.1 | 11 |
| 46 | In MALDI-Mass Spectrometry Imaging on Formalin-Fixed Paraffin-Embedded Tissue Specimen Section Thickness Significantly Influences m/z Peak Intensity. <i>Proteomics - Clinical Applications</i> , 2019 , 13, e1800074 | 3.1 | 9 |
| 45 | Site-to-Site Reproducibility and Spatial Resolution in MALDI-MSI of Peptides from Formalin-Fixed Paraffin-Embedded Samples. <i>Proteomics - Clinical Applications</i> , 2019 , 13, e1800029 | 3.1 | 41 |
| 44 | MALDI Imaging for Proteomic Painting of Heterogeneous Tissue Structures. <i>Proteomics - Clinical Applications</i> , 2019 , 13, e1800045 | 3.1 | 11 |
| 43 | Programmed cell death ligand 1 (PD-L1, CD274) in cholangiocarcinoma - correlation with clinicopathological data and comparison of antibodies. <i>BMC Cancer</i> , 2019 , 19, 72 | 4.8 | 21 |
| 42 | Identification of MALDI Imaging Proteolytic Peptides Using LC-MS/MS-Based Biomarker Discovery Data: A Proof of Concept. <i>Proteomics - Clinical Applications</i> , 2019 , 13, e1800158 | 3.1 | 10 |
| 41 | Cytomine: Toward an Open and Collaborative Software Platform for Digital Pathology Bridged to Molecular Investigations. <i>Proteomics - Clinical Applications</i> , 2019 , 13, e1800057 | 3.1 | 13 |
| 40 | Laser Microdissection-Based Microproteomics of Formalin-Fixed and Paraffin-Embedded (FFPE) Tissues. <i>Methods in Molecular Biology</i> , 2018 , 1723, 19-31 | 1.4 | 15 |

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| 39 | Analysis of the proliferative activity in lung adenocarcinomas with specific driver mutations. <i>Pathology Research and Practice</i> , 2018 , 214, 408-416 | 3.4 | 3 |
| 38 | Rapid detection of 2-hydroxyglutarate in frozen sections of IDH mutant tumors by MALDI-TOF mass spectrometry. <i>Acta Neuropathologica Communications</i> , 2018 , 6, 21 | 7.3 | 21 |
| 37 | Mass spectrometry in pathology - Vision for a future workflow. <i>Pathology Research and Practice</i> , 2018 , 214, 1057-1063 | 3.4 | 8 |
| 36 | MALDI Imaging Combined with Laser Microdissection-Based Microproteomics for Protein Identification: Application to Intratumor Heterogeneity Studies. <i>Methods in Molecular Biology</i> , 2018 , 1788, 297-312 | 1.4 | 4 |
| 35 | Proteomics in Pathology. <i>Proteomics</i> , 2018 , 18, 1700361 | 4.8 | 14 |
| 34 | Role of conventional immunomarkers, HNF4- β and SATB2, in the differential diagnosis of pulmonary and colorectal adenocarcinomas. <i>Histopathology</i> , 2018 , 72, 997-1006 | 7.3 | 19 |
| 33 | MALDI Imaging-Guided Microproteomic Analyses of Heterogeneous Breast Tumors-A Pilot Study. <i>Proteomics - Clinical Applications</i> , 2018 , 12, 1700062 | 3.1 | 25 |
| 32 | Subclonal evolution of pulmonary adenocarcinomas delineated by spatially distributed somatic mitochondrial mutations. <i>Lung Cancer</i> , 2018 , 126, 80-88 | 5.9 | 5 |
| 31 | Expression of HMB45, MelanA and SOX10 is rare in non-small cell lung cancer. <i>Diagnostic Pathology</i> , 2018 , 13, 68 | 3 | 8 |
| 30 | Accelerated pre-senile systemic amyloidosis in PACAP knockout mice: a protective role of PACAP in age-related degenerative processes. <i>Journal of Pathology</i> , 2018 , 245, 478-490 | 9.4 | 26 |
| 29 | Typing of colon and lung adenocarcinoma by high throughput imaging mass spectrometry. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017 , 1865, 858-864 | 4 | 14 |
| 28 | Detection of HPV subtypes by mass spectrometry in FFPE tissue specimens: a reliable tool for routine diagnostics. <i>Journal of Clinical Pathology</i> , 2017 , 70, 417-423 | 3.9 | 12 |
| 27 | Proteomic signatures reveal a dualistic and clinically relevant classification of anal canal carcinoma. <i>Journal of Pathology</i> , 2017 , 241, 522-533 | 9.4 | 26 |
| 26 | Proteomic investigation of human cystic echinococcosis in the liver. <i>Molecular and Biochemical Parasitology</i> , 2017 , 211, 9-14 | 1.9 | 16 |
| 25 | PAT-H-MS coupled with laser microdissection to study histone post-translational modifications in selected cell populations from pathology samples. <i>Clinical Epigenetics</i> , 2017 , 9, 69 | 7.7 | 13 |
| 24 | Automated Morphological and Morphometric Analysis of Mass Spectrometry Imaging Data: Application to Biomarker Discovery. <i>Journal of the American Society for Mass Spectrometry</i> , 2017 , 28, 2635-2645 | 3.5 | 6 |
| 23 | Spatial distribution of EGFR and KRAS mutation frequencies correlates with histological growth patterns of lung adenocarcinomas. <i>International Journal of Cancer</i> , 2017 , 141, 1841-1848 | 7.5 | 12 |
| 22 | Qualitative Comparison Between Carrier-based and Classical Tissue Microarrays. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2017 , 25, e74-e79 | 1.9 | 13 |

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| 21 | OLFM4, KNG1 and Sec24C identified by proteomics and immunohistochemistry as potential markers of early colorectal cancer stages. <i>Clinical Proteomics</i> , 2017 , 14, 9 | 5 | 34 |
| 20 | MALDI mass spectrometry imaging: A cutting-edge tool for fundamental and clinical histopathology. <i>Proteomics - Clinical Applications</i> , 2016 , 10, 701-19 | 3.1 | 56 |
| 19 | An Improved Molecular Histology Method for Ion Suppression Monitoring and Quantification of Phosphatidyl Cholines During MALDI MSI Lipidomics Analyses. <i>OMICS A Journal of Integrative Biology</i> , 2016 , 20, 110-21 | 3.8 | 13 |
| 18 | A laser microdissection-based workflow for FFPE tissue microproteomics: Important considerations for small sample processing. <i>Methods</i> , 2016 , 104, 154-62 | 4.6 | 49 |
| 17 | A spiked tissue-based approach for quantification of phosphatidylcholines in brain section by MALDI mass spectrometry imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 2095-106 | 4.4 | 31 |
| 16 | The importance of the tumor microenvironment in the therapeutic management of cancer. <i>Expert Review of Anticancer Therapy</i> , 2015 , 15, 943-54 | 3.5 | 30 |
| 15 | Comparison of two FFPE preparation methods using label-free shotgun proteomics: Application to tissues of diverticulitis patients. <i>Journal of Proteomics</i> , 2015 , 112, 250-61 | 3.9 | 17 |
| 14 | Spectroimmunohistochemistry: a novel form of MALDI mass spectrometry imaging coupled to immunohistochemistry for tracking antibodies. <i>OMICS A Journal of Integrative Biology</i> , 2014 , 18, 132-41 | 3.8 | 15 |
| 13 | Tissue proteomics for the next decade? Towards a molecular dimension in histology. <i>OMICS A Journal of Integrative Biology</i> , 2014 , 18, 539-52 | 3.8 | 43 |
| 12 | Matrix-assisted laser desorption/ionization mass spectrometry and Raman spectroscopy: An interesting complementary approach for lipid detection in biological tissues. <i>European Journal of Lipid Science and Technology</i> , 2014 , 116, 1080-1086 | 3 | 3 |
| 11 | HFIP extraction followed by 2D CTAB/SDS-PAGE separation: a new methodology for protein identification from tissue sections after MALDI mass spectrometry profiling for personalized medicine research. <i>OMICS A Journal of Integrative Biology</i> , 2014 , 18, 374-84 | 3.8 | 6 |
| 10 | Implications of Proprotein Convertases in Ovarian Cancer Cell Proliferation and Tumor Progression: Insights for PACE4 as a Therapeutic Target. <i>Translational Oncology</i> , 2014 , | 4.9 | 24 |
| 9 | Lipidomics for clinical diagnosis: Dye-Assisted Laser Desorption/Ionization (DALDI) method for lipids detection in MALDI mass spectrometry imaging. <i>OMICS A Journal of Integrative Biology</i> , 2014 , 18, 487-98 | 3.8 | 13 |
| 8 | Selected protein monitoring in histological sections by targeted MALDI-FTICR in-source decay imaging. <i>Analytical Chemistry</i> , 2013 , 85, 2117-26 | 7.8 | 36 |
| 7 | Proteomic analyses of serous and endometrioid epithelial ovarian cancers - cases studies - molecular insights of a possible histological etiology of serous ovarian cancer. <i>Proteomics - Clinical Applications</i> , 2013 , 7, 337-54 | 3.1 | 17 |
| 6 | Ovarian cancer molecular pathology. <i>Cancer and Metastasis Reviews</i> , 2012 , 31, 713-32 | 9.6 | 49 |
| 5 | The C-terminal fragment of the immunoproteasome PA28S (Reg alpha) as an early diagnosis and tumor-relapse biomarker: evidence from mass spectrometry profiling. <i>Histochemistry and Cell Biology</i> , 2012 , 138, 141-54 | 2.4 | 28 |
| 4 | Multivariate analyses for biomarkers hunting and validation through on-tissue bottom-up or in-source decay in MALDI-MSI: application to prostate cancer. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 401, 149-65 | 4.4 | 66 |

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| 3 | MALDI imaging and profiling MS of higher mass proteins from tissue. <i>Journal of the American Society for Mass Spectrometry</i> , 2010 , 21, 1922-9 | 3.5 | 102 |
| 2 | MALDI imaging mass spectrometry in ovarian cancer for tracking, identifying, and validating biomarkers. <i>Medical Science Monitor</i> , 2010 , 16, BR233-45 | 3.2 | 59 |
| 1 | MALDI mass spectrometry imaging of proteins exceeding 30,000 daltons. <i>Medical Science Monitor</i> , 2010 , 16, BR293-9 | 3.2 | 51 |